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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/617,532	07/11/2003	Masatoshi Nakayama	27391/US587	3499	
4743	7590 10/19/2005		EXAM	INER	
MARSHALL, GERSTEIN & BORUN LLP 233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER			CHEN, T	CHEN, TIANJIE	
			ART UNIT	PAPER NUMBER	
CHICAGO, 1	IL 60606		2652		

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/617,532	NAKAYAMA, MASATOSHI
Office Action Summary	Examiner	Art Unit
	Tianjie Chen	2652
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REWHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNI R 1.136(a). In no event, however, may a solution. Period will apply and will expire SIX (6) MON tatute, cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
1)⊠ Responsive to communication(s) filed on 1 2a)⊠ This action is FINAL . 2b)□ 3)□ Since this application is in condition for all closed in accordance with the practice und	This action is non-final. owance except for formal mat	-
Disposition of Claims		
 4) Claim(s) 1,3 and 9 is/are pending in the ap 4a) Of the above claim(s) is/are with 5) Claim(s) is/are allowed. 6) Claim(s) 1,3,9 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction are 	drawn from consideration.	
Application Papers		
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co 11) The oath or declaration is objected to by the	accepted or b) objected to the drawing(s) be held in abeya rrection is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119	•	
12) Acknowledgment is made of a claim for force a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the application from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in A priority documents have beer reau (PCT Rule 17.2(a)).	Application No received in this National Stage
Attachment(s)		O(DTO 442)
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date) Paper No(Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152)

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Final Rejection

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1 and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Meguro et al (US 6,538,847).

Claim 1, Meguro et al shows a thin-film magnetic head having an MR head portion 23 (Fig.1, column 6, line 6) containing magnetoresistive elements, wherein a protective film made of DLC, which has a composition represented by the following formula: $CH_a O_b N_c F_d B_e P_f$ (where a=0, b=0, c=0, d=0, e=0, a and f=0, in terms of atomic ratio), and having a thickness of 10-30 Å (Column 9, lines 24-28), is formed on at least the surface of the MR head portion facing a recording medium.

Claim 9, Meguro et al further shows in Fig. 3 that a slider is equipped with the thin-film magnetic head as described above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having

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ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claim 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meguro et al in view of Nepela et al (US 6,330,131).

Claim 3, Meguro et al does not show a = 0.05 - 0.7.

Nepela et al shows a protective layer wherein a =0.03-0.4 (Column 2, lines 49-54).

It would have been obvious at the time the invention was made to one of ordinary skill in the art to set a=0.03-0.4 as taught by Nepela et al. The rationale is as follows: Meguro et al teaches a protective layer, but does not teach the method of making the layer. Nepela et al teaches a method of making the protective layer and teaches that if keep a=0.03-0.4, the layer would have high hardness (Column 2, lines 49-54). One of ordinary skill in the art would have been motivated to set a=0.03-0.4 to obtain high hardness.

Response to Arguments

3. Applicant's arguments filed 09/12/2005 have been fully considered but they are not persuasive.

This is a US patent application. A US dictionary, rather than a Japanese dictionary, should be used in interpretation of the terms cited in the claim.

several pron, pl in constr (1686): an indefinite number more than two and fewer than many.

From: Merriam-Webster's Collegiate Dictionary Tenth Edition.

It clearly shows that the reference reads on claim 1 properly.

The rejection maintains.

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Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and

any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date

of the advisory action. In no event, however, will the statutory period for reply expire

later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Tianjie Chen whose telephone number is 571-272-

7570. The examiner can normally be reached on 8:00-4:30, Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hoa Nguyen can be reached on 571-272-7579. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TIANJIE CHEN PRIMARY EXAMINE